ಕಾಮಗಾರಿ ಪ್ರಾರಂಭದ

ದಿನಾಂಕ: 08-01-2014

ಕಾರ್ಯಾದೇಶ ಸಂಖ್ಯೆ: 178701 ಆದೇಶ

ದಿನಾಂಕ ಮತ್ತು

7/1/14

IGINEER

anagara Palike,

angalore-57.

PMT of BR 77/30.4.14

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178701

Serial No. .....

Name of work ..Improvements to road Shettyhalli village in From ..... To ..... ward no. 12 of SSD.

Name of Contractor of nature of Agency..Technical manager (West) KRIDL

Date of commencement of work..NO EE/DD/WO/166/13-14.. D:- 12/12/2013. JC:- 012-12-000072

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Premeasurement recorded on 24/2/14						
I.1	Earth work excavation for foundation of building culverts						
	Shettyhalli village	1	28.30	1.20	1.30	43.68 cum	844.148
	Janatha colony.	1	23.20	1.20	1.30	~~46.17 cum~~ 36.19 cum	
		1	30.0	1.20	1.30	46.80 cum	
		1	17.0	1.20	1.30	26.52 cum	
		1	11.70	1.20	1.30	18.25 cum	
		1	22.0	1.20	1.30	34.32 cum	
		1	25.60	1.20	1.30	39.93 cum	
		1	30.0	1.20	1.30	46.80 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1 ×	12.10 ×	1.20 ×	1.30 =	18.87cum.	
						311.37cum	
			Qty limited to tender			289.44cum	Page No. : 24

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕಟ್ಟಡಕ್ಕೆ ಉಪವಿಭಾಗ. ದಾವಣಗೆರೆ ವಲಯ
ಲೆಕ್ಕಪತ್ರ ಪರಿಶೋಧನೆ ದಾವಣಗೆರೆ ವಲಯ
ಪಿಸ್ ವಿರಿ ರಸ್ತೆ, ದಿವಂಡ್ರುಗೆರೆ, ದಾವಣಗೆರೆ

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Nur
1	2	
I-2.	Providing and laying of mix M-10	

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
	0× 1·30	= 18·87cum.	
		311·37cum	
d to tender		289·44cum	Rec'd. N.K. 24/3/14

M. A. R. 57 (Rule 116)
Measurement Book

No. B 178702

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Premeasurement recorded on 28/3/2014						
I-2.	Providing and laying in position plain cement concrete of mix M-10						
		1	× 28·0	× 1·20	× 0·15	= 5·04cum	
		1	× 23·20	× 1·20	× 0·15	= 4·17cum	
		1	× 30·0	× 1·20	× 0·15	= 5·40cum	
		1	× 17·0	× 1·20	× 0·15	= 3·06cum	
		1	× 11·70	× 1·20	× 0·15	= 2·10cum	
		1	× 22·0	× 1·20	× 0·15	= 3·96cum	
		1	× 25·60	× 1·20	× 0·15	= 4·60cum	

MEASUREMENT BOOK

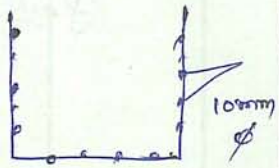
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.0	1.20	0.15	= 5.40 cum	
		1	12.10	1.20	0.15	= 2.17 cum	
						35.92 cum.	
						35.90	Rec'd. N.K. 24/3/14

CS/L 24-3-14

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಲೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work
1	2
J-4	Providing T.M.T. Steel



BOOK

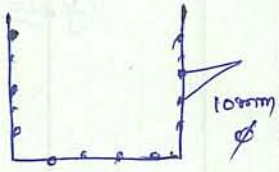
s		Contents	Reference to last Measurement
ıdth	Depth 6	7	8
0	× 0·15	= 5·40 cum	
20	× 0·15	= 2·17 cum	
		35·92 cum.	
		35.90 Recd. N.K. 24/7/14	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178703

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Premeasurement recorded on 2/4/14						
I-A	Providing T.M.T. Steel rein forcement for R.C.C work						
		·663	× 3·10	= 2055·3	× 0·62	= 1274·28 kgs	
		1000	× 3·10	= 3100·0	× 0·62	= 1922 kgs.	
		18	× 28·0	= 504·0	× 0·62	= 312·48 kgs	
		18	× 23·20	= 417·6	× 0·62	= 258·91 kgs	
		18	× 30·0	= 540·0	× 0·62	= 334·80 kgs	
		18	× 17·0	= 306·0	× 0·62	= 189·72 kgs	
		18	× 11·70	= 210·60	× 0·62	= 130·57 kgs	
		18	× 22·0	= 396·0	× 0·62	= 245·52 kgs	
		18	× 25·60	= 460·8	× 0·62	= 285·69 kgs	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		18	30.0	540.0	0.62	334.80 kgs	
		18	12.10	217.8	0.62	135.03 kgs.	
						5272.64 kgs	
				Limite to		52.460 qtl.	
						Recd. N.K. 2/4/14	

C.S. 2.4.14

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
5.5	Providing and removing Premeasu	

C.S. 2.4.14

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

BOOK

Breadth	Depth 6	Contents 7	Reference to last Measurement 8
0 × 0.62		= 334.80 Kgs	
1.8 × 0.62		= 135.03 Kgs.	
		5272.64 Kgs	
nite to		52.46 Qtl.	

Recd. N.K. 2/A/14

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178704

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Premeasurement recorded on 4/A/14						
5.5	Providing and removing centering Shuttering.						
		2	28.0	1.10		= 123.20 Sqm	
		2	23.20	1.10		= 102.08 Sqm	
		2	30.0	1.10		= 132.0 Sqm	
		2	17.0	1.10		= 74.80 Sqm	
		2	11.70	1.10		= 51.48 Sqm	
		2	22.0	1.10		= 96.80 Sqm	
		2	25.60	1.10		= 112.64 Sqm	
		2	30.0	1.10		= 132.0 Sqm	
		2	12.10	1.10		= 53.24 Sqm	
						878.16 Sqm	

Recd. N.K. 4/4/14

1st & final.

MEASUREMENT BOOK BR 77/30.4.2014

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work:- Improvements to roads Shettyhalli village in ward no.42 of Shettyhalli Sub-Division.						
	Agency:- Technical Manager (West) KRIDL						
	W.O:- No EE/DD/WO/166/13-14 D:-12/12/2013						
	JC:- 012-12-000072. Est cost:- 19.50 lakhs.						
I-1	Earth works excavation for foundation of buildings Culverts, water supply, sanitary lines & electrical conduits either in pits or in trenches 1.5m and above in width in ordinary soil not exceeding 1.5 in depth including dressing the bottom and sides of pits and trenches complete as per specifications of the M.B. Qty vide pg no. 178 to 178/2					289.44 cum @ 151.74 Rs. 43928.00	
						43919/-	

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..

Date of commencement of work.....

Date	Full description, etc, of work
1	2
I-2	Providing and lay concrete of mix M-10 40mm and down aggregates @ 0.89 machine mixed conc 15cms thick Well comp complete as per speci Qty vide pg no.
I-3	Providing and laying i

BOOK BR 77/30.4.2014

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
tyhalli village in ward no.42			
013			
50 lakhs.			
on of buildings			
& electrical			
1.5m and above			
eeding 1.5 in depth			
sides of pits			
fications		289.44cum	
	@	151.74 M	43928.00
			43919/-

M. A. R. 57 (Rule 116)
Measurement Book

No. B 178705

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I.2	Providing and laying in position plain cement concrete of mix M-10 with opc cement @ 220 kgs 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregate @ 0.465 cum machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth. complete as per specification. ary vide pg no.						
					of this M.B.	35.92cum	35.90
					@	4497.12 Rs	161537.00
I.3	Providing and laying in position reinforced cement concrete						161446/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of design mix M-20 with opc cement @ 320 kgs, with 20mm down size graded granite metal coarse aggregate @ 0.878 cum and fine aggregate @ 0.459 cum with superplastisiser @ 3lts conforming to IS 9103-1999 Reaffirmed-2008 machine mixed concrete laid in layers not exceeding 15cms thick vibrated for all work in foundation plinth and ground floor level for roof slabs including attached plasters, columns Piers abutments pillar posts including cost of all materials labour Hire of machinery curing complete as per specification						
	V	2	28.0	0.15	0.90	4.56 cum	
	B	1	28.0	1.10	0.45	4.62 cum	

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	V
	B
	V
	B
	V
	B
	V
	B
	V

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
@ 320 Kgs, with			
ral Coarse			
ggregate @ 0.459			
ming to IS 9103-1999			
ete laid in layers			
r all works			
oor level for			
erg. columns			
uding cost of			
ery curing			
.15	× 0.90	= 4.56 cum	
.10	× 0.15	= 4.62 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178706

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2		Dimensions			Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	V	2	× 23.20	× 0.15	× 0.90	= 8.26 cum	
	B	1	× 23.20	× 1.10	× 0.15	= 3.82 cum	
	V	2	× 30.0	× 0.15	× 0.90	= 8.10 cum	
	B	1	× 30.0	× 1.10	× 0.15	= 4.95 cum	
	V	2	× 17.0	× 0.15	× 0.90	= 4.59 cum	
	B	1	× 17.0	× 1.10	× 0.15	= 2.80 cum	
	V	2	× 11.70	× 0.15	× 0.90	= 3.15 cum	
	B	1	× 11.70	× 1.10	× 0.15	= 1.93 cum	
	V	2	× 22.0	× 0.15	× 0.90	= 5.94 cum	

CSM
EE(D)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		B	1 × 22.0	× 1.10	× 0.15	= 3.63cum	
		V	2 × 25.60	× 0.15	× 0.90	= 6.91cum	
		B	1 × 25.60	× 1.10	× 0.15	= 4.22cum	
		V	2 × 30.0	× 0.15	× 0.90	= 8.10cum	
		B	1 × 30.0	× 1.10	× 0.15	= 4.95cum	
		V	2 × 12.10	× 0.15	× 0.90	= 3.26cum	
		B	1 × 12.10	× 1.10	× 0.15	= 1.99cum	
						86.81 cum	86.78 –
						@ 5639=76	489418
							Rs 489588=00
5-A.	Providing TMT steel reinforcement for R.C.C. work including Straightening, cutting bending hooking						

CC Bill 3014 EE(D)

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	N
1	2	
	placing in position lappi required tying with b the adjoining member as per design. Contg vide Pg no.	17
5-5	providing and remov Structing Propping breaks in floor Cilly pli	

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
1·10	× 0·15	= 3.63sqm	
0·15	× 0·90	= 8.91sq	
1·10	× 0·15	= 4.22sqm	
·15	× 0·90	= 8.10sq	
1·10	× 0·15	= 4.95sqm	
·15	× 0·90	= 3.26sqm	
10	× 0·15	= 1.99sqm	
		86.81sqm 86.78 –	
		@ 5639=76 489418	
		M: 4895 88=00	
for R.C.C. work			
cding hooking			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 178707

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Placing in position lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design.						
	Qty vide Pg no.	178703/2 of this			M.B.	52.46sqm	
						@ 7380=72	
						M:–	387193=00
5-5	providing and removing Strutting Propping etc.; Breaks in floor City plinth	centering for edges including			Shuttering of slab, and cost of all		

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	materials labour complete as per specification						
	as vide pg no. 178702/1 of this M.B.					722.0 Sqm	
						@ 666=36	
						Rs- 481112=00	
I-6.	Providing & laying reinforced cement precast slabs of mix CC 1 : 1½ : 3 using 20mm & down size graded granite metal using HYSD 10 mm dia steel @ 100 mm c/c complete as per specification						
		1	× 28.0	× 0.90		= 25.64 Sqm	25.20
		1	× 23.20	× 0.90		= 20.88 Sqm	
		1	× 30.0	× 0.90		= 27.0 Sqm	
		1	× 17.0	× 0.90		= 15.30 Sqm	
		1	× 11.70	× 0.90		= 10.53 Sqm	

CSAP
30/4
EE(D)

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	CSAP 30/4 EE(D)	
I-4	Disposal of debris to th with all lead & lifts engineer in charge of as vide item	

30.4.14

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
Per specification			
M.B.		722.0 Sqm	
		@ 666=36	
		Rs- 481112=00	
next precast slabs			
& down SIZE			
D 10 mm dia			
s per specification			
.90		= 25.64 Sqm	25.20
.90		= 20.88 Sqm	
.90		= 24.0 Sqm	
.90		= 15.30 Sqm	
.90		= 10.53 Sqm	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 178708

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	× 22.0	× 0.90		= 19.80 Sqm	
		1	× 25.60	× 0.90		= 23.04 Sqm	
		1	× 30.0	× 0.90		= 27.0 Sqm	
		1	× 12.10	× 0.90		= 10.89 Sqm	
						180.08 Sqm	179.64
						@ 1963=60	
						Rs: 353605=00	352741-
Jnt	Disposal of debris to the final place of disposal with all lead & lifts and as direction by the engineer in charge of the work Vide item - (1)					281.0 Cum	
						@ 94=82	
						Rs- 26644=00	89-
							23731-
							25009-

CS/AP
3rd
EE(D)

304.14

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Total Amount:-		194360	=00.		1940838=0	
	Pavi.N.K. KRIDL 10% :-		194360	=00.		194083=0	
	30/4/14		2137967	=00.		2134921=0	
	certificate						
	1) certified that Contractor has done the work satisfactory.						
	2) Certified that there is no due work from contractor side						
	3) Certified that Contractor has removed all debries from work spot.						
	Pavi.N.K. 30/4/14.						

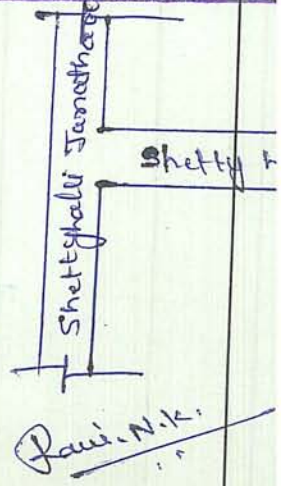
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ ಗಾಂಧಿನಗರ ವಲಯ
ಬೃಹತ್ ...
ಎಸ್.ಎಂ ಬಸ್ತಿ ...ಬೂರು.
30.4.14

Audited and admitted for Rs. 2134921
Passed by Cheque for Rs. 1855318
Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work: 27.6.03

Accounts Superintendent
B.B.M.P., Heggana...

Executive Eng
...Division

Date	Full description, etc, of work
1	2



T BOOK

ions		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
607=00.		1940838=00	
30 =00.		194083=00	
67 =00.		2134921=00	

e the work satisfactory.
k from contractor side
ed all debries from work spot.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

Audited and admitted for Rs. 2134921=00
Passed by Cheque for Rs. 1855318=00

M. A. R. 57 (Rule 116) Measurement Book **No. B** 178709

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work: 27603=00 9/5/14

Accounts Superintendent
B.B.M.P., Hegganahalli Division

Executive Engineer

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Shettyhalli Jnanabharathi Layout						
	R.C.C. drain.		110.20M				
	Shetty halli						
	89.70M						
	R.C.C. Drain.						
	Ravi. N.K.						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಹೆಬ್ಬಿಹಳ್ಳ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು